



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

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**RBEL133M-6201-101-9**  
**Job Sheet 196620**



**Part No:** RBEL133M-6201-101-9

**Job Qty:** 4 pcs

**Part Name:** Wear Pad



**Part Weight:** 0 lbs

**Status:** New

**Priority:** Medium

**Job Created:** 6/17/19

**Job Tracking No:**

**Due Date:** 7/12/19

**Created By:** Marie Lajeunesse

**Type:** SOLD

**Description:**

**Note:** DWG RBEL133M-6201-101 Rev 2 IPP Rev. A 19.05.22 New issue DP Verify DD

**Ship Via:**

### Bill of Materials

### Job Routing

| Op<br>No | Operation  | Qty   | Start Date | Due<br>Date | Standard     |            | Workcenter/Supplier   |           | Sign-off    |
|----------|------------|-------|------------|-------------|--------------|------------|-----------------------|-----------|-------------|
|          |            |       |            |             | Setup<br>Hrs | Run<br>Hrs | Workcenter / Supplier | Lead Time |             |
| 100      | NV5000 - 1 | 4 pcs | 7/12/19    | 7/12/19     | 1.00         | 2.00       | NV5000 - 1            |           |             |
|          |            |       |            |             |              |            | NV5000 - 2            |           | KT 19-06-25 |
| 110      | QC 2       | 4 pcs | 7/12/19    | 7/12/19     | 0.00         | 0.00       | QC 2 - 1              |           | KT 19-06-25 |
|          |            |       |            |             |              |            | QC 2 - 12             |           |             |
|          |            |       |            |             |              |            | QC 2 - 14             |           |             |
|          |            |       |            |             |              |            | QC 2 - 17             |           |             |
|          |            |       |            |             |              |            | QC 2 - 19             |           |             |
|          |            |       |            |             |              |            | QC 2 - 2              |           |             |
|          |            |       |            |             |              |            | QC 2 - 20             |           |             |
|          |            |       |            |             |              |            | QC 2 - 22             |           |             |
|          |            |       |            |             |              |            | QC 2 - 23             |           |             |
|          |            |       |            |             |              |            | QC 2 - 25             |           |             |
|          |            |       |            |             |              |            | QC 2 - 32             |           |             |
|          |            |       |            |             |              |            | QC 2 - 33             |           |             |
|          |            |       |            |             |              |            | QC 2 - 35             |           |             |
|          |            |       |            |             |              |            | QC 2 - 39             |           |             |
|          |            |       |            |             |              |            | QC 2 - 4              |           |             |
|          |            |       |            |             |              |            | QC 2 - 40             |           |             |
|          |            |       |            |             |              |            | QC 2 - 44             |           |             |
|          |            |       |            |             |              |            | QC 2 - 45             |           |             |
|          |            |       |            |             |              |            | QC 2 - 48             |           |             |
|          |            |       |            |             |              |            | QC 2 - 49             |           |             |
|          |            |       |            |             |              |            | QC 2 - 50             |           |             |
|          |            |       |            |             |              |            | QC 2 - 51             |           |             |
|          |            |       |            |             |              |            | QC 2 - 52             |           |             |
|          |            |       |            |             |              |            | QC 2 - 57             |           |             |
|          |            |       |            |             |              |            | QC 2 - 62             |           |             |
|          |            |       |            |             |              |            | QC 2 - 63             |           |             |
|          |            |       |            |             |              |            | QC 2 - 8              |           |             |
|          |            |       |            |             |              |            | QC 2 - 66             |           |             |
|          |            |       |            |             |              |            | QC 2 - 64             |           |             |



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**Container No:** S193608



**Part:** RBEL133M-6201-101-9

**Job No:** 196620

**Serial No/Batch:** S193608

**Revision:** 2

**Inspector:**

**Exp Date:**

**Instructions:**

Date: 06/25/19

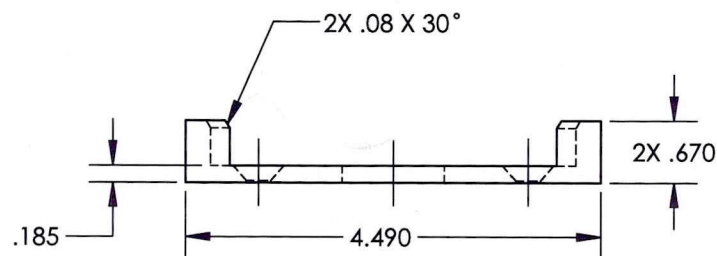
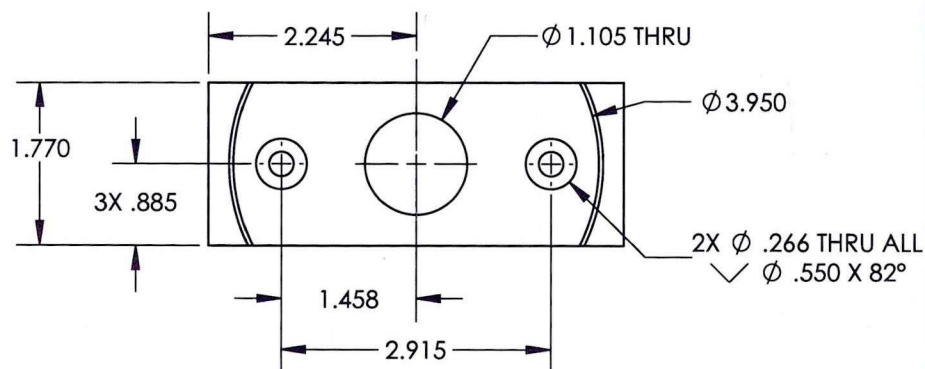
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|                                                                                                                                                          |                                                  |                    |                  |                       |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------|------------------|-----------------------|------------------|
|                                                                                                                                                          |                                                  |                    |                  | QC 2 - 65             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 2 - 5              |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 2 - 71             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 2 - 73             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 2 - 69             |                  |
| 120 QC 8                                                                                                                                                 | 4 pcs                                            | 7/12/19            | 0.00 0.00        | QC 8 - 12             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 14             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 17             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 20             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 25             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 3              |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 32             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 33             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 35             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 39             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 4              |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 44             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 45             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 49             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 58             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 8              | B. 19-01-02      |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 9              |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 68             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 67             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 1 (A)          |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 47             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 40             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 52             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 23             |                  |
|                                                                                                                                                          |                                                  |                    |                  | QC 8 - 57             |                  |
| 130 Packaging 3-1 - Stock - B4B                                                                                                                          | 4 pcs                                            | 7/12/19            | 0.00 0.00        | Packaging 3 - 1 - B4B |                  |
|                                                                                                                                                          |                                                  |                    |                  | Packaging 3 - 2 - B4B |                  |
|                                                                                                                                                          |                                                  |                    |                  | Packaging 3 - 3 - B4B |                  |
|                                                                                                                                                          |                                                  |                    |                  | Packaging 3 - 4 - B4B |                  |
|                                                                                                                                                          |                                                  |                    |                  | Packaging 3 - 5 - B4B |                  |
| 140 QC 21 - SA                                                                                                                                           | 4 pcs                                            | 7/12/19            | 0.00 0.00        | QC 21 - SA - 21       | 21               |
|                                                                                                                                                          |                                                  |                    |                  | QC 21 - SA - 70       | 9-88 JUL 05 2019 |
| Part Op 100 - ***Cut blanks 2.0" long*** 1-Machine as per folio FC <u>858</u> FOLIO REV: <u>AA</u> DWG REV:<br>Descriptions: <u>2</u> 2-Debur<br>130 - . |                                                  |                    |                  |                       |                  |
| <b>Job BOM</b>                                                                                                                                           |                                                  |                    |                  |                       |                  |
| <b>Part / Item</b>                                                                                                                                       | <b>Component Name</b>                            | <b>Quantity</b>    | <b>Operation</b> | <b>Container</b>      |                  |
| 8739K54                                                                                                                                                  | White Delrin Acetal Resin Bar, 1" Thick, 5" Wide | .6640 ft (.166 ea) | 100-NV5000 - 1   | 5184833               |                  |
| <b>Job Allocations</b>                                                                                                                                   |                                                  |                    |                  |                       |                  |
| <b>Operation</b>                                                                                                                                         | <b>Component Part</b>                            | <b>Required</b>    | <b>Inventory</b> | <b>Allocated</b>      |                  |
| 100-NV5000 - 1                                                                                                                                           | 8739K54                                          | 1                  | 4                | 0                     |                  |
| <b>Part Specifications</b>                                                                                                                               |                                                  |                    |                  |                       |                  |
| Specifications could not be found.                                                                                                                       |                                                  |                    |                  |                       |                  |

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| REVISIONS |         |                                                                                                                     |            |         |          |
|-----------|---------|---------------------------------------------------------------------------------------------------------------------|------------|---------|----------|
| REV       | ECR     | DESCRIPTION                                                                                                         | DATE       | INITIAL | APPROVED |
| 2         | 16-0223 | -9 ADDED DIM 1.458, CH'D DIM WAS 2.915 ON CL IS 2.915, CH'D MATERIAL WAS WHITE NYLON/DELFIN IS WHITE DELFIN/ACETAL. | 11/15/2016 | RJC     | SM       |



(-9)

WEAR PAD

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 196620 MWS  
196617

|                                                                                                                                            |                   |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>DART<br/>AEROSPACE</b>                                                                                                                  |                   |
| TITLE<br>M/R DAMPER TOOL KIT                                                                                                               |                   |
| DWG NO.<br>RBEL133M-6201-101-9                                                                                                             | REV<br>2          |
| MAT'L WHITE DELFIN/ACETAL<br>HEAT TREAT<br>FINISH<br>SPEC                                                                                  |                   |
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES<br>.XXX ± .005 FRACTIONS ± 1/8<br>.XX ± .01 ANGLES ± .5°<br>.X ± .1 SURFACES = 125/ |                   |
| 1. BREAK ALL SHARP EDGES<br>.015 x 45° OR .015R                                                                                            |                   |
| 2. DIMENSIONAL LIMITS APPLY<br>AFTER PLATING                                                                                               |                   |
| 3. INTERPRET DIM AND TOL PER<br>ASME Y14.5M-2009                                                                                           |                   |
| DRAWN BY: GILBERT<br>CHECKED: DUERFELDT<br>OPSS APPR: ANDERSON<br>QA APPR: LINDSAY<br>APPROVED: MACKOVJAK                                  |                   |
| USED ON MODEL<br>EUROCOPTER                                                                                                                |                   |
| SCALE<br>1:2                                                                                                                               | DATE<br>2/14/2012 |
| SHEET 7 OF 14                                                                                                                              |                   |



Entered: \_\_\_\_\_ Date: \_\_\_\_\_

# WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

Route update only ☐

|                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCR No. _____<br><br>Job: _____<br><br>Part No. _____                                                                                                                                                                                                                                                                                                                                   |  | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/>                                                                                                                                                              |  | <b>DEPARTMENT/PROCESS</b><br><br>Skid-tube <input type="checkbox"/><br>Machining <input type="checkbox"/><br>Large Fab <input type="checkbox"/><br>Cross tube <input type="checkbox"/><br>Small Fab <input type="checkbox"/><br>Finishing <input type="checkbox"/><br>Eng. (Non-AW) <input type="checkbox"/><br>Prod. Eng. Coord. <input type="checkbox"/><br>Rec/Store/Packaging <input type="checkbox"/><br>Engineering <input type="checkbox"/><br>Water Jet <input type="checkbox"/><br>Supplier <input type="checkbox"/><br>Quality <input type="checkbox"/> |  |                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                  |
| Date :                                                                                                                                                                                                                                                                                                                                                                                  |  | Sequence #:                                                                                                                                                                                                                                                                                    |  | QTY Affected :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | MRB (QS1042)                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                        |  |                                                                                                                                                                                                                                                                                                |  | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | Completed By                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | Lead hand / Supervisor                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | QC / QA Coordinator                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                  |
| <b>Root Cause</b><br><br>Operator <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Preservation <input type="checkbox"/><br>Material <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Human Factors <input type="checkbox"/> |  | <input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Bending<br><input type="checkbox"/> Crushing<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br><input type="checkbox"/> Marks/Chatter<br><input type="checkbox"/> Mislabeled |  | <b>FAULT CATEGORY</b><br><br><input type="checkbox"/> Contamination<br><input type="checkbox"/> Misaligned/off center<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damage/Defect<br><input type="checkbox"/> Incomplete/Unclear Instructions<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Fit/Function                                                                                                                                                                                                         |  | <input type="checkbox"/> Power Loss/Surge<br><input type="checkbox"/> Folio/Program<br><input type="checkbox"/> Grain Direction<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><input type="checkbox"/> Out of Sequence<br><input type="checkbox"/> Off-set/Set-up | <input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Outside Tolerance<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Misread |
| Other/Details: _____                                                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                                                |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                  |

## Under Review Notification

Raised By: Ketan Tailor

Product #: RBEL133M-6201-101

Date: May 23, 2019

Product Name: M/R DAMPER TOOL KIT

| Part Number<br>(D-Part and 9-Digit)<br>(eg. D3535-11)<br>(eg. D3535-25)<br>(eg. D206-642-143)<br>(eg. RBEM324U3010101-1) | Drawing or Document<br>& <u>Current</u> Affected Revision<br>for each part listed | "Y" or "N" Required for Each Part<br>Do not leave blank |                          |                  |                     |               |                                                  |                                                          | Reserved ECN / URF Log<br>Number | Instructions Relevant to Each Part<br>(including whether CHG #'s will be affected) |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------|------------------|---------------------|---------------|--------------------------------------------------|----------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------|
|                                                                                                                          |                                                                                   | DO NOT SHIP                                             | Red Tag/Quarantine Stock | Advise Customers | Hold all Production | Re-Work Stock | IPP Under Review<br>(Engineer Signoff Required.) | Put Product Specifications<br>Under Review ("Bluefiles") |                                  |                                                                                    |
| RBEL133M-6201-101                                                                                                        | RBEL133M-6201-101 REV. 2                                                          | Y                                                       | Y                        | N                | Y                   | Y             | N                                                | N                                                        | 19-733                           | Remove item -43 from BOM                                                           |
| RBEL133M-6201-101-45                                                                                                     | RBEL133M-6201-101 REV. 2                                                          | Y                                                       | Y                        | N                | Y                   | Y             | N                                                | N                                                        | 19-733                           | Remove cutout for item -43                                                         |
|                                                                                                                          |                                                                                   |                                                         |                          |                  |                     |               |                                                  |                                                          |                                  |                                                                                    |
|                                                                                                                          |                                                                                   |                                                         |                          |                  |                     |               |                                                  |                                                          |                                  |                                                                                    |
|                                                                                                                          |                                                                                   |                                                         |                          |                  |                     |               |                                                  |                                                          |                                  |                                                                                    |
|                                                                                                                          |                                                                                   |                                                         |                          |                  |                     |               |                                                  |                                                          |                                  |                                                                                    |
|                                                                                                                          |                                                                                   |                                                         |                          |                  |                     |               |                                                  |                                                          |                                  |                                                                                    |
|                                                                                                                          |                                                                                   |                                                         |                          |                  |                     |               |                                                  |                                                          |                                  |                                                                                    |
|                                                                                                                          |                                                                                   |                                                         |                          |                  |                     |               |                                                  |                                                          |                                  |                                                                                    |
|                                                                                                                          |                                                                                   |                                                         |                          |                  |                     |               |                                                  |                                                          |                                  |                                                                                    |
|                                                                                                                          |                                                                                   |                                                         |                          |                  |                     |               |                                                  |                                                          |                                  |                                                                                    |
|                                                                                                                          |                                                                                   |                                                         |                          |                  |                     |               |                                                  |                                                          |                                  |                                                                                    |
|                                                                                                                          |                                                                                   |                                                         |                          |                  |                     |               |                                                  |                                                          |                                  |                                                                                    |
|                                                                                                                          |                                                                                   |                                                         |                          |                  |                     |               |                                                  |                                                          |                                  |                                                                                    |
|                                                                                                                          |                                                                                   |                                                         |                          |                  |                     |               |                                                  |                                                          |                                  |                                                                                    |

### Description of Issue:

Item -43 is referencing the wrong T/N, and should not be included in the kit

Current orders for this tool may be shipped with engineering sign off. See VM for more information.

### Distribution:

VP Operations

Director of Operations

Director Quality Assurance

QC Coordinator

Director of Engineering

Chief Engineer

Engineering Project Managers

Engineering Clerk

Customer Support Manager

Production Engineers

Production Planners

Purchasing Manager

Technical Support

Product Manager - Solutions Provider

Supply Chain Director / Senior Buyer

Marketing Eugene



